

**IN THE CLAIMS:**

Please amend the claims as follows.

1. (Currently amended) A method for testing computing devices, ~~comprising the method comprising steps of:~~

providing a suite of test programs on a server for execution by a plurality of said computing devices that are coupled to said server;

distributing different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices;

receiving messages from said computing devices upon completion ~~of respective said different ones of said execution of said distributed test programs; and~~

responsively in response to receiving said messages, iterating said step of distributing test programs until all of said test programs in said suite have been executed;

in response to one of said computing devices being detached from said server, marking unexecuted ones of said test programs that were distributed to said one computing device to indicate that these test programs were not executed by said one computing device.

2. (Original) The method according to claim 1, wherein said test programs are distributed as JAR files and JAD files.

3. (Original) The method according to claim 2, wherein said JAD files are constructed responsively to said messages.

4. (Currently amended) The method according to claim 1, further comprising ~~the steps of:~~

dynamically coupling a new computing device to said server; and

reallocating said test programs to said computing devices and said new computing device.

5. (Currently amended) The method according to claim 1, further comprising ~~the~~

steps of:

~~dynamically detaching one of said computing devices from said server; and~~  
~~marking unexecuted ones of said test programs that were distributed to said one~~  
~~computing device as not run~~

prior to distributing said test programs for execution, receiving requests at said  
server from said computing devices requesting said server to provide test programs to  
said computing devices; and

receiving additional requests at said server from said computing devices with  
respect to said execution of said test programs to determine a next test to execute at each  
of the corresponding computing devices.

6. (Currently amended) The method according to claim 1, wherein said ~~step of~~  
distributing test programs comprises removing said different ones of said test programs  
from a stack.

7. (Currently amended) The method according to claim 1, wherein said ~~step of~~  
distributing test programs comprises assigning said different ones of said test programs in  
groups comprising a plurality of said test programs so as to minimize a completion time  
of said suite.

8. (Currently amended) A computer software product, comprising a computer-  
readable storage medium in which computer program instructions are stored, which  
instructions, when read by a computer, cause the computer to perform a method for  
testing computing devices, the method comprising ~~the steps of~~:

accessing a suite of test programs on a server for execution by a plurality of said  
computing devices that are coupled to said server;

distributing different ones of said test programs from said server to said computing  
devices for concurrent execution thereof by said computing devices;

receiving messages from said computing devices upon completion ~~of respective~~  
~~said different ones of~~ said execution of said distributed test programs; ~~and~~

~~responsively~~ in response to receiving said messages, iterating said step of

distributing test programs until all of said test programs in said suite have been executed;  
in response to one of said computing devices being detached from said server,  
marking unexecuted ones of said test programs that were distributed to said one  
computing device to indicate that these test programs were not executed by said one  
computing device.

9. (Original) The computer software product according to claim 8, wherein said test programs are distributed as JAR files and JAD files.

10. (Original) The computer software product according to claim 9, wherein said computer is further instructed to construct said JAD files responsively to said messages.

11. (Original) The computer software product according to claim 8, wherein said computer is further instructed to perform the steps of:

dynamically coupling a new computing device to said server; and  
reallocating said test programs to said computing devices and said new computing device.

12. (Currently amended) The computer software product according to claim 8, wherein said computer is further instructed to perform the ~~steps~~ step of:

dynamically detaching one of said computing devices from said server; ~~and~~  
~~marking unexecuted ones of said test programs that were distributed to said one~~  
~~computing device as not run.~~

13. (Currently amended) The computer software product according to claim 8, wherein said ~~step of~~ distributing test programs comprises removing said different ones of said test programs from a stack.

14. (Currently amended) The computer software product according to claim 8, wherein said ~~step of~~ distributing test programs comprises assigning said different ones of said test programs in groups comprising a plurality of said test programs so as to

minimize a completion time of said suite.

15. (Currently amended) A method for testing computing devices, ~~comprising the method comprising steps of:~~

providing a suite of test programs on a server for execution by a plurality of said computing devices that are coupled to said server;

receiving requests at said server from said computing devices requesting said server to provide test programs to said computing devices;

assigning a respective unique identifier to each of said ~~plurality of said~~ computing devices, for use in communicating with said server;

making respective allocations comprising different ones of said test programs for said computing devices;

~~downloading said allocations from said server for respective execution by said computing devices coupled thereto, so that at least first and second computing devices among said plurality execute different first and second test programs from said suite substantially simultaneously;~~

distributing said different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices;

receiving messages at said server from said computing devices ~~with respect to upon completion~~ said execution of said distributed test programs, wherein each of said messages includes a request to determine a next test to execute at the corresponding computing device and also includes ~~each of said messages containing~~ said respective unique identifier; and

~~responsively to each of said messages, downloading at least another of said test programs to a respective one of said computing devices~~

in response to receiving said messages, iterating said step of distributing test programs until all of said test programs in said suite have been executed.

16. (Original) The method according to claim 15, wherein said step of making respective allocations is performed so as to minimize a completion time of said suite of test programs.

17. (Currently amended) The method according to claim 15, further comprising ~~the steps of:~~

coupling a new computing device to said server; and  
reallocating said test programs to said computing devices and said new computing device.

18. (Currently amended) The method according to claim 15, further comprising ~~the steps of:~~

detaching an attached one of said computing devices from said server; and  
marking unexecuted ~~tests of said respective allocations of said attached ones of said~~ test programs that were distributed to said one computing device as not run to indicate that these test programs were not executed by said one computing device.

19. (Original) The method according to claim 15, wherein said computing devices comprise MIDP-compliant devices, and

wherein said test programs comprise MIDlets, which are packaged in respective JAD files and JAR files, and

wherein allocating said test programs comprises downloading said JAD files and said JAR files to said MIDP-compliant devices.

20. (Currently amended) A computer software product, comprising a computer-readable storage medium in which computer program instructions are stored, which instructions, when read by a computer, cause the computer to perform a method for testing computing devices, the method comprising ~~the steps of:~~

accessing a suite of test programs that are stored on a server for execution by a plurality of said computing devices that are coupled to said server;

receiving requests at said server from said computing devices requesting said server to provide test programs to said computing devices;

assigning a respective unique identifier to each of said plurality of said computing devices, for use in communicating with said server;

making respective allocations comprising different ones of said test programs for said computing devices;

~~downloading said allocations from said server for respective execution by said computing devices coupled thereto, so that at least first and second computing devices among said plurality execute different first and second test programs from said suite substantially simultaneously;~~

distributing said different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices;

receiving messages at said server from said computing devices ~~with respect to~~ upon completion said execution of said distributed test programs, wherein each of said messages includes a request to determine a next test to execute at the corresponding computing device and also includes ~~each of said messages containing~~ said respective unique identifier; and

~~responsively to each of said messages, returning a new allocation of unexecuted ones of said test programs to respective ones of said computing devices for execution thereof~~

in response to receiving said messages, iterating said step of distributing test programs until all of said test programs in said suite have been executed.

21. (Original) The computer software product according to claim 20, wherein said step of making respective allocations is performed so as to minimize a completion time of said suite of test programs.

22. (Original) The computer software product according to claim 20, wherein said computer is further instructed to perform the steps of:

coupling a new computing device to said server; and

reallocating said test programs to said computing devices and said new computing device.

23. (Currently amended) The computer software product according to claim 20, wherein said computer is further instructed to perform the steps of:

detaching one of said computing devices from said server; and  
marking unexecuted ~~tests of said respective allocations of~~ ones of said test programs that were distributed to said one computing device as not run to indicate that these test programs were not executed by said one computing device.

24. (Original) The computer software product according to claim 20, wherein said computing devices comprise MIDP-compliant devices, and  
wherein said test programs comprise MIDlets, which are packaged in respective JAD files and JAR files, and  
wherein allocating said test programs comprises downloading said JAD files and said JAR files to said MIDP-compliant devices.

25. (Currently amended) A server for testing computing devices, comprising:  
a communication interface for coupling a plurality of said computing devices thereto; and  
a processor ~~having instructions~~ configured to access a suite of test programs for execution by said computing devices that are coupled to said server, ~~and to;~~  
wherein said processor is configured to distribute at least a portion of different ones of said test programs via said communication interface to ~~respective ones of~~ said computing devices for concurrent execution thereof by said computing devices[[,]];  
wherein said processor having further instructions is configured to receive messages via said communication interface from said computing devices indicating completion of said execution of said distributed test programs[[,]];  
wherein, in response and responsively to receiving said messages, said processor is configured to distribute remaining ones of said test programs iteratively to said computing devices for execution thereof ~~iteratively~~ until all of said test programs in said suite have been executed;  
wherein, in response to one of said computing devices being detached from said server, said processor is configured to mark unexecuted ones of said test programs that were distributed to said one computing device to indicate that these test programs were not executed by said one computing device.

26. (Original) The server according to claim 25, wherein said test programs are distributed as JAR files and JAD files.

27. (Original) The server according to claim 26, wherein said JAD files are constructed responsively to said messages.

28. (Currently amended) The server according to claim 25, wherein, ~~said processor has further instructions to couple~~ in response to a new computing device being coupled to said server; and, said processor is configured to reallocate said test programs to said computing devices and said new computing device.

29. (Currently amended) The server according to claim 25, wherein said processor ~~has further instructions to detach one of said computing devices from said server, and to mark unexecuted ones of said test programs that were distributed to said one computing device as not run~~ is configured to:

prior to distributing said test programs for execution, receive requests at said server from said computing devices requesting said server to provide test programs to said computing devices; and

receive additional requests at said server from said computing devices with respect to said execution of said test programs to determine a next test to execute at each of the corresponding computing devices.

30. (Currently amended) The server according to claim 25, wherein said processor ~~has further instructions~~ is further configured to assign said different ones of said test programs in groups comprising a plurality of said test programs so as to minimize a completion time of said suite.

31. (Currently amended) A server for testing computing devices, comprising:  
a communication interface for coupling a plurality of said computing devices thereto; and



a processor ~~having instructions~~ configured to access a suite of test programs for execution by said computing devices that are coupled to said server, ~~to;~~

wherein said processor is configured to receive requests from said computing devices requesting said server to provide test programs to said computing devices;

wherein said processor is configured to assign a respective unique identifier to each of said ~~plurality of said~~ computing devices for use in communicating with said server[[,]];

wherein said processor is configured to make respective allocations comprising different ones of said test programs for said computing devices[[,]];

wherein said processor is configured to ~~download said allocations from said server for respective execution by said computing devices coupled thereto, so that at least first and second computing devices among said plurality execute different first and second test programs from said suite substantially simultaneously,~~ distribute said different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices;

wherein said processor ~~having further instructions~~ is configured to receive messages from said computing devices indicating completion of said execution of said distributed test programs, wherein each of said messages includes a request to determine a next test to execute at the corresponding computing device and also includes ~~each of said messages containing~~ said respective unique identifier[[,]]; and

wherein, in response ~~responsively~~ to receiving said messages, said processor is configured to distribute remaining ones of said test programs iteratively to said computing devices for execution thereof until all of said test programs in said suite have been executed.

32. (Currently amended) The server according to claim 31, wherein, ~~said processor has further instructions to couple~~ in response to a new computing device being coupled to said server; and, said processor is configured to reallocate said test programs to said computing devices and said new computing device.

33. (Currently amended) The server according to claim 31, wherein, ~~said processor has further instructions to detach~~ in response to one of said computing devices being

detached from said server; and, said processor is configured to mark unexecuted tests of  
said respective allocations of ones of said test programs that were distributed to said one  
computing device as not run to indicate that these test programs were not executed by  
said one computing device.

34. (Original) The server according to claim 31, wherein said computing devices comprise MIDP-compliant devices, and said test programs comprise MIDlets, which are packaged in respective JAD files and JAR files, and wherein said processor has further instructions to allocating said test programs by downloading said JAD files and said JAR files to said MIDP-compliant devices.